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Alpha and Omega Semiconductor Continues to Expand its Portable Power Portfolio Using AlphaMOS Technology

Best-in-class power MOSFET featuring industry lowest on-resistance in an ultra-thin DFN 3.3x3.3 package

SUNNYVALE, Calif., Jan. 9, 2012 – Alpha and Omega Semiconductor (AOS) (Nasdaq: AOSL), a designer, developer and global supplier of a broad range of power semiconductors, today introduced the AON7418, adding to a growing portfolio of power MOSFETs in small, ultra-thin packages. The new device provides exceptionally low on-resistance that is optimized for demanding applications such as tablet PCs, eReaders, notebooks, telecom and networking.

AON7418 is the best-in-class 30V N-channel device implemented on AOS' proprietary AlphaMOS technology, with the lowest $R_{DS(ON)}$ in the market of similar package types. AlphaMOS technology improves $R_{DS(ON)}$ by 40% over the previous generation. The device provides power designers the flexibility in optimizing space, performance and cost.

"This new AlphaMOS 30V Technology device follows the already set benchmark by AOS for power density and performance" said Peter Wilson, Director of Low Voltage MOSFETs at AOS. "AON7418 enables designers to reduce power losses and increase performance in space-constrained applications."

AON7418 is in halogen-free DFN3.3x3.3 package and is 100% UIS and Rg tested.

Device Specification Table

Part Number	V_{DS}	V_{GS}	Max $R_{DS(ON)}$		Q_g (typ)	I_D @ T_A = 25°C	I_D @ T_A = 100°C
			@ 10V	@ 4.5V			
AON7418	30 V	±20 V	1.7 mΩ	2.8 mΩ	23 nC	50 A	39 A

Pricing and Availability
The AON7418 is immediately available in production quantities with a lead-time of 12 weeks. The unit price for 1,000 pieces is $0.70.

About AOS
Alpha and Omega Semiconductor Limited, or AOS, is a designer, developer and global supplier of a broad range of power semiconductors, including a wide portfolio of Power MOSFET and Power IC products. AOS seeks to differentiate itself by integrating its expertise in device physics, process technology, design and advanced packaging to optimize product performance and cost, and its product portfolio is designed to meet the ever increasing power efficiency requirements in high volume applications, including portable computers, flat panel TVs, battery packs, smart phones, portable media players, UPS, motor control and power supplies. For more information, please visit www.aosmd.com.

Forward Looking Statements
This press release contains forward-looking statements that are based on current expectations, estimates, forecasts and projections of future performance based on management's judgment, beliefs, current trends and anticipated product performance. These forward-looking statements include, without limitation, references to the efficiency and capability of new products, and the potential to expand into new markets. Forward looking statements involve risks and uncertainties that may cause actual results to differ materially from those contained in the forward-looking statements. These factors include, but are not limited to, the actual product performance in volume production, the quality and reliability of the product, our ability to achieve design wins, the general business and economic conditions, the state of the semiconductor industry, and other risks as described in the Company's annual report and other filings with the U.S. Securities and Exchange Commission. Although the Company believes that the expectations reflected in the forward looking statements are reasonable, it cannot guarantee future results, level of activity, performance, or achievements. You should not place undue reliance on these forward-looking statements. All information provided in this press release is as of today's date, unless otherwise stated, and AOS undertakes no duty to update such information, except as required under applicable law.

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